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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/975,006	10/10/2001	David P. Aschenbeck	25019A	8542

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OWENS CORNING
2790 COLUMBUS ROAD
GRANVILLE, OH 43023

EXAMINER

WATKINS III, WILLIAM P

ART UNIT	PAPER NUMBER
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1772

DATE MAILED: 11/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/975,006

Applicant(s)

ASCHENBECK ET AL.

Examiner

William P. Watkins III

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 September 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9, 11-54, 56 and 57 is/are pending in the application.
- 4a) Of the above claim(s) 1-7, 11-52, 54, 56 and 57 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 8 and 9 is/are allowed.
- 6) ☒ Claim(s) 53 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

1. The rejection over Schult in view of Yap et al. and Wilkes given in section 3 of the office action mailed 24 June 2005 is withdrawn in view of applicant's amendment in the paper filed 21 September 2005, of claims 8 and 53 to include a layer of surface granules and applicant's argument that Schult in col. 1, lines 24-54 teaches away from such a layer.

2. The rejection over Hansen in view of Nelson given in section 4 of the office action mailed 24 June 2005 is withdrawn in view of the declaration of Mr. Jones filed 21 September 2005 that provides evidence that the antioxidants of Nelson will not obviously produce a top layer that will pass the weathering test specified in claims 8 and 53.

3. Claim 53 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansen (U.S. 4,405,680) in view of George et al. (U.S. 5,516,573).

Hansen teaches a glass fiber mat, which is saturated with an unblown asphalt composition that may have 0 to 80% fillers (col. 3, lines 10-15, col. 1, lines 60-69). The saturated mat is coated on the top and bottom layers with a blown asphalt with

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may have 1 to 80% filler (col. 4, lines 1-5, col. 3, lines 45-55). Top layer granules, as known in the shingle art, may be used (col. 4, lines 5-10, abstract). The total layers of Hansen may be at least 1/8 inch in thickness (col. 4, line 50). George et al. teaches the use of an adhesive that forms the top part of the top asphalt coating layer of a reinforced shingle. The adhesive layer increases the ability of the outer layer granules to adhere to the top coating layer under various wet and dry tests (abstract, col. 9, line 35 through col. 12, lines 15).

The instant invention claims an asphalt layer on top of a saturated glass fiber layer whose under side is coated with an asphalt layer, the top layer has increased ability to retain roofing granules compared to the bottom layer (part (F) of claim 53). It would have been obvious to one of ordinary skill in the art to have used an adhesive on the top asphalt layer of Hansen in order to increase the ability of the top layer to retain granules because of the teachings of George et al. As the PTO does not have experimental facilities, the examiner assumes that the increased granule retention of the top layer of Hansen in view of George et al. meets the granule loss limitation of the ASTM Method D4977 test of instant claim 53, absent evidence to the contrary.

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4. Applicant's arguments filed 16 March 2005 have been fully considered but are moot in view of the new grounds of rejection.

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William P. Watkins III whose telephone number is 571-272-1503. The examiner works an increased flex time schedule, but can normally be reached Monday through Friday, 11:30 A.M. through 8:00 P.M.

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Eastern Time. The examiner returns all calls within one business day unless an extended absence is noted on his voice mail greeting.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on 571-272-1498. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**WILLIAM P. WATKINS III
PRIMARY EXAMINER**

WW/ww

November 27, 2005